

HAH 5/21/21

RJA 1/03/22

JS 1/03/22

Chemistry Report for Case # P-18-0030

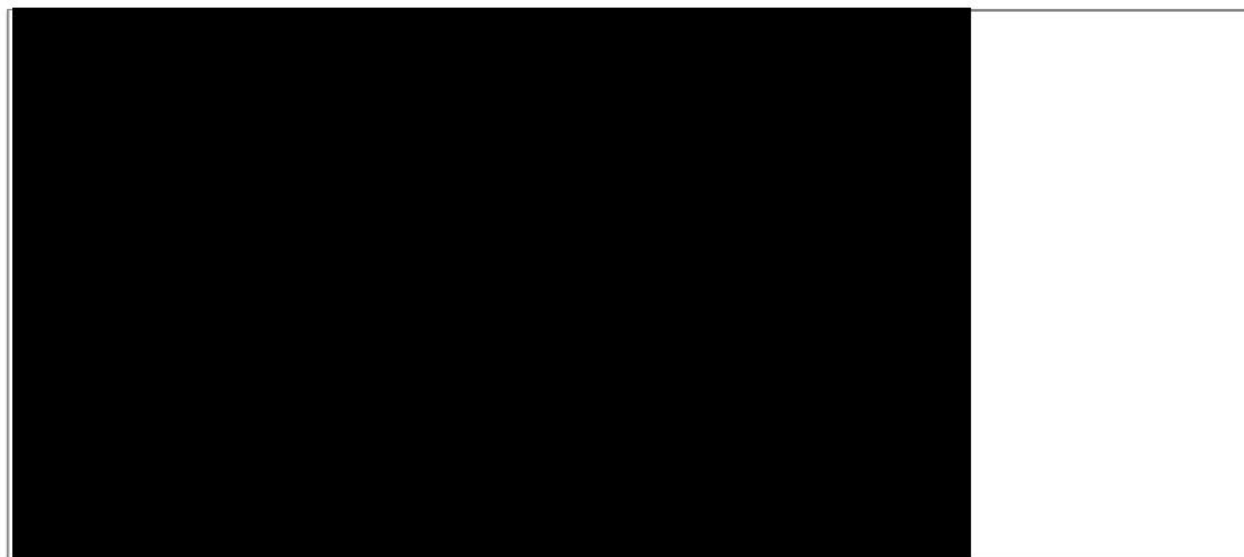
General

Submitter: Miwon North America, Inc.**Contact:** Earl Emerson**Contact Telephone No.:** (484) 872-8703**TS No.:** 201MS2**Chemist:** Zhang, L.**Contractor Support:** Y**PV Init (kg/yr):** 12000.0000**PV Max (kg/yr):** 12000.0000**Binding Option:** ☐**Exposure-Based Review:** ☒**Manufacture:** ☐**Import:** ☒**CAS Number:** [REDACTED]**Chemical Name** [REDACTED]**Trade Name:** MIRAMER PU3201**IES Order:** [REDACTED]

Generic Name: Poly[oxy(methyl-alkylendiyl)],
a,a',a''-1,2,3-alkanetriyltris[w-hydroxy-, polymer with
1,1'-alkylenebis[4-isocyanatocarbomonocycle], 2-substituted ethyl
acrylate- and 2-substituted ethyl
metacrylate-blocked

Chemical Structure





Physical Chemical Properties

Molecular Formula: [REDACTED]	Molecular Weight: [REDACTED]
% < 500: [REDACTED]	% < 1000: [REDACTED]
MP:	MP Estimate:
BP:	BP Pressure:
BP Estimate: >500	
VP (Torr):	VP Estimate (Torr): <0.000001
Water Solubility (g/L):	Water Soluble Estimate (g/L): <0.000001
Log P:	Log P Estimate:
Physical State — Neat: Liquid	Physical State — Manuf: NK: Imported

Physical State — Processing: Solution: PMN substance in coating formulation

Physical State — End Use: Destroyed

Additional Chemical Info

MW
NAVG = [REDACTED], by GPC. These values are based on a MW analysis that does not include a large peak with a MW of

in the submitted chromatogram; this peak is likely solvent or an unreacted feedstock. Submitted Data: The Physical and Chemical Properties Worksheet and the MSDS appear to be for a formulation of the PMN substance with [REDACTED]. The submitted FTIR spectrum shows [REDACTED]

Uses

Consumer Use? No

Use: Acrylate resin for UV-curable industrial coatings. No references found. Analogs [REDACTED] Acrylate FGEW = [REDACTED] (terminal groups).

Other Uses: Analog [REDACTED]

Reaction Description

The PMN substance is imported, and a detailed manufacturing scheme is not provided by the submitter. The above scheme is based on the list of feedstocks shown on p.5 of the submission. [REDACTED]

Pollution Prevention Analysis(P2 Analysis:)

None.

Analogs

Same as [REDACTED]. Analogs: [REDACTED]

Comments/Telephone Log

Artifact	Update/Upload Time